

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Change to:

1 - 70. (cancelled without prejudice)

71. (previously presented) A method for optimizing a selection of risk management activities, wherein said method comprises the following steps:

- identifying and measuring a plurality of risks;
- identifying at least one risk management activity based upon said risks;
- determining an amount of capital available for risk transfer activities,
- determining a combination of risk management activities that optimizes aspects of financial performance selected from the group consisting of market value, risk and combinations thereof within the constraints of the available capital.

72. (previously presented) The method according to claim 71 wherein a market value further comprises one or more categories of value selected from the group consisting of an enterprise current operation category, an enterprise real option category, an enterprise market sentiment category and combinations thereof.

73. (previously presented) The method according to claim 71 wherein a risk management activity is selected from the group consisting of establishing one or more risk management control systems, completing one or more risk transfer transactions and combinations thereof.

74. (previously presented) The method according to claim 73, wherein establishing each of one or more risk management control systems further comprises identifying a risk reduction activity and optionally establishing a method for implementing said activity in an automated fashion.

75. (previously presented) The method according to claim 73, wherein completing one or more risk transfer transactions further comprises completing activities selected from the

group consisting of insurance purchases, derivate transactions, and combinations thereof.

76. (previously presented) The method according to claim 71, wherein identifying and measuring a plurality of risks further comprises quantifying said risks by a category of value where the categories of value are selected from the group consisting of current operation, real option, market sentiment and combinations thereof.

77. (previously presented) The method according to claim 71, wherein identifying and measuring a plurality of risks further comprises quantifying a total risk exposure by a element of value and external factor where the elements of value are selected from the group consisting of alliances, brands, customers, customer relationships, employees, employee relationships, infrastructure, intellectual property, information technology, partnerships, processes, production equipment, vendors, vendor relationships and combinations thereof.

78. (previously presented) The method according to claim 71, wherein identifying and measuring a plurality of risks further comprises quantifying specific enterprise risks under scenarios selected from the group consisting of normal, extreme and combinations thereof.

79. (previously presented) The method according to claim 71 that supports an optimization of aspects of financial performance selected from the group consisting of current operation value, real option value, market sentiment value and combinations thereof.

80. (previously presented) The method according to claim 71 where the method further comprises:

completing optimization calculations in an automated fashion using a method selected from the group consisting of quasi monte carlo, genetic algorithm, multi-criteria optimization and linear programming.

81. (previously presented) The method according to claim 71 where the method further comprises:

using one or more shadow prices from a linear programming optimization calculation to identify an optimal budget for risk management.

82. (previously presented) A program storage device readable by machine, tangibly embodying a program of instructions executable by a machine to perform method steps for performing a management method, comprising:

preparing data from a plurality of enterprise related systems for use in processing,  
using a series of multivariate analyses to develop a computational model that identifies a contribution to a market value for a commercial enterprise by a category of value for each of a plurality of elements of value and external factors,  
using the computational model to complete one or more useful activities selected from the group consisting of: quantifying a plurality of risks by element of value, quantifying a plurality of risks by category of value, quantifying a plurality of risks by external factor, identifying a target share price for organization common stock, identifying one or more changes that will optimize one or more aspects of enterprise financial performance, calculating a net contribution of each element of value to a market value, calculating a value for each element of value, calculating a value impact for a plurality of risk management activities, calculating a value for organization common stock and combinations thereof, and  
displaying one or more results from said one or more useful activities using a paper document or electronic display.

83. (previously presented) The program storage device of claim 82 where a plurality of enterprise related systems are selected from the group consisting of advanced financial systems, basic financial systems, alliance management systems, brand management systems, customer relationship management systems, channel management systems, intellectual property management systems, process management systems, vendor management systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, enterprise resource planning systems (ERP), material requirement planning systems (MRP), scheduling systems, quality control systems, purchasing systems, the Internet and combinations thereof.

84. (previously presented) The program storage device of claim 82 where one or more elements of value are selected from the group consisting of alliances, brands, customers, customer relationships, employees, employee relationships, infrastructure, intellectual property, information technology, partnerships, processes, production

equipment, vendors, vendor relationships and combinations thereof and where a category of value is selected from the group consisting of current operation, real option, market sentiment and combinations thereof.

85. (previously presented) The program storage device of claim 82 wherein a series of multivariate analyses are selected from the group consisting of identifying one or more previously unknown item performance indicators, discovering one or more previously unknown value drivers, identifying one or more previously unknown relationships between one or more value drivers, identifying one or more previously unknown relationships between one or more elements of value, quantifying one or more inter-relationships between value drivers, quantifying one or more impacts between elements of value, developing one or more composite variables, developing one or more vectors, developing one or more causal element of value impact summaries, identifying a best fit combination of predictive model algorithm and element impact summaries for modeling enterprise market value and each of the components of value, building one or more predictive models using transaction data, determining a net element of value impact for each category of value, determining a relative strength of the elements of value between two or more enterprises, developing one or more real option discount rates, calculating one or more real option values, calculating an enterprise market sentiment value by element of value, developing a covariance matrix, developing a series of scenarios, simulating a financial performance under a given scenario and combinations thereof.

86. (previously presented) The program storage device of claim 82 wherein a series of multivariate analyses are completed in an automated fashion by learning from the data.

87. (previously presented) The program storage device of claim 82 wherein a risk management activity is selected from the group consisting of establishing one or more risk management control systems, completing one or more risk transfer transactions and combinations thereof.

88. (previously presented) The program storage device of claim 82 wherein a commercial enterprise further comprises a corporation, a multi-enterprise organization or a value chain.

89. (previously presented) The program storage device of claim 82 wherein one or more aspects of financial performance are selected from the group consisting of revenue, expense, capital change, market value, current operation value, real option value, market sentiment value, total risk, risk management activity, common stock price and combinations thereof.

90. (previously presented) The program storage device of claim 82 wherein the method further comprises using a computational model to identify changes to one or more enterprise business activities that will optimize one or more aspects of enterprise financial performance where the changes are selected from a group consisting of a change in purchase quantities, a change in purchasing mix, a change in vendors, a change in purchase discounts, changes in product discounts, changes in product pricing, changes in service pricing, changes in service discounts, changes in supply chain management, changes in the organization equity holdings, changes in one or more operating limits for organization systems, changes in process management, changes in risk management and combinations thereof.

91. (previously presented) A program storage device readable by machine, tangibly embodying a program of instructions executable by a machine to perform method steps for performing a data method, comprising:

using metadata mapping to integrate organization related data from a plurality of organization related systems in accordance with a common xml schema to support organization processing.

92. (previously presented) The program storage device of claim 91 where a plurality of organization related systems further comprises systems selected from the group consisting of advanced financial systems, basic financial systems, alliance management systems, brand management systems, customer relationship management systems, channel management systems, intellectual property management systems, process management systems, vendor management systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, enterprise resource planning systems (ERP), material requirement planning systems (MRP), risk management systems, scheduling systems, quality control systems, purchasing systems, the Internet and combinations thereof.

93. (previously presented) The program storage device of claim 91 where a specification for metadata mapping is established using a metadata and conversion rules window and stored in a metadata mapping table.

94. (previously presented) The program storage device of claim 91 where at least a portion of organization related data are pre-specified for mapping and the portion of data pre-specified for mapping is selected from the group consisting of component of value data, sub component of value data, known value drivers and combinations thereof.

95. (previously presented) The program storage device of claim 91 where a common schema defines attributes selected from the group consisting of time periods, units of measure, currencies, elements of value, components of value, risks, organizations and combinations thereof.

96. (previously presented) The program storage device of claim 91 where a plurality of systems further comprise a plurality of systems with relational databases.

97. (previously presented) The program storage device of claim 91 where the method further comprises converting organization related data to a common xml schema and storing said data to support organization processing.

98. (previously presented) The program storage device of claim 97 where integrated data are stored in tables.

99. (previously presented) The program storage device of claim 97 where the method further comprises using a conversion rules table to support conversion to a common xml schema.

100. (previously presented) The program storage device of claim 97 where a common xml schema further comprises a network schema.

101. (previously presented) A method for integrating organization systems into an overall financial management system, comprising  
integrating data from a plurality of organization related systems using a common xml schema,

developing a computational model of organization market value that identifies the drivers of organization share price by category of value using at least a portion of said data,  
identifying one or more changes in operation that will optimize organization share price using said model, and  
implementing said changes in operation by communicating the changes to one or more organization systems.

102. (previously presented) The method of claim 101 wherein a computational model of organization market value identifies a contribution to market value for a plurality of elements of value for each of one or more categories of value where the elements of value are selected from the group consisting of alliances, brands, customers, customer relationships, employees, employee relationships, infrastructure, intellectual property, information technology, partnerships, processes, production equipment, vendors, vendor relationships and combinations thereof and where a category of value is selected from the group consisting of current operation, real option, market sentiment and combinations thereof.

103. (previously presented) The method of claim 101 wherein a computational model of organization market value is developed in an automated fashion by completing a series of multivariate analyses where the multivariate analyses are selected from the group consisting of identifying one or more previously unknown item performance indicators, discovering one or more previously unknown value drivers, identifying one or more previously unknown relationships between one or more value drivers, identifying one or more previously unknown relationships between one or more elements of value, quantifying one or more inter-relationships between value drivers, quantifying one or more impacts between elements of value, developing one or more composite variables, developing one or more vectors, developing one or more causal element of value impact summaries, identifying a best fit combination of predictive model algorithm and element impact summaries for modeling enterprise market value and each of the components of value, building one or more predictive models using transaction data, determining a net element of value impact for each category of value, determining a relative strength of the elements of value between two or more enterprises, developing one or more real option discount rates, calculating one or more real option values, calculating an enterprise market sentiment value by element of value, developing a covariance matrix, developing

a series of scenarios, simulating a financial performance under a given scenario and combinations thereof.

104. (previously presented) The method of claim 101 where organization related systems are selected from the group consisting of advanced financial systems, basic financial systems, web site management systems, alliance management systems, brand management systems, customer relationship management systems, channel management systems, intellectual property management systems, process management systems, vendor management systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, enterprise resource planning systems (ERP), material requirement planning systems (MRP), scheduling systems, quality control systems, purchasing systems, risk management systems, and combinations thereof.

105. (previously presented) The method of claim 101 that where changes in operation are selected from the group consisting of changes in purchase quantities, changes in purchasing mix, changes in vendors, changes in purchase discounts, changes in product discounts, changes in product pricing, changes in service pricing, changes in service discounts, changes in supply chain management, changes in the organization equity holdings, changes in operating limits for organization systems and combinations thereof.

106. (new) A management method, comprising:

preparing data from a plurality of enterprise related systems for use in processing,  
and  
analyzing at least a portion of the data as required to quantify an impact of a plurality of risks on one or more subsets of value selected from the group consisting of elements of value, categories of value, components of value and combinations thereof.

107. (new) The method of claim 106 wherein an elements of value is selected from the group consisting of alliances, brands, customers, customer relationships, employees, employee relationships, infrastructure, intellectual property, information technology,



partnerships, processes, production equipment, vendors, vendor relationships and combinations thereof.

108. (new) The method of claim 106 wherein a plurality of risks are selected from the group consisting of event risks, contingent liabilities, volatility and combinations thereof.

109. (new) The method of claim 106 wherein the method further comprises:  
identifying one or more risk management activities based upon one or more quantified risks;  
calculating an amount of capital available for said risk management activities using at least a portion of said data; and  
determining a combination of risk management activities that optimizes aspects of enterprise financial performance selected from the group consisting of market value, risk and combinations thereof within a constraint of the available capital.

110. (new) The method of claim 106 wherein preparing data from a plurality of enterprise related systems for use in processing, further comprises using metadata mapping to integrate data from said systems in accordance with a common schema.

111. (new) The method of claim 106 wherein a category of value is selected from the group consisting of current operation, real option, market sentiment and combinations thereof and a component of value is selected from the group consisting of revenue, expense, capital and combinations thereof.

112. (new) The method of claim 106 wherein quantifying a plurality of risks further comprises quantifying risks under scenarios selected from the group consisting of normal, extreme and combinations thereof.

113. (new) The method of claim 107 wherein a risk management activity is selected from the group consisting of establishing one or more risk management control systems, completing one or more risk transfer transactions and combinations thereof.

114. (new) A program storage device readable by machine, tangibly embodying a program of instructions executable by a machine to perform method steps for performing an advanced management method, comprising:

aggregating and preparing data from a plurality of enterprise related systems for use in processing, and  
analyzing at least a portion of the data as required to quantify a tangible impact for a plurality of risks and one or more elements of value on one or more subsets of value selected from the group consisting of a category of value, a component of value and combinations thereof.

115. (new) The program storage device of claim 114 wherein one or more elements of value are selected from the group consisting of alliances, brands, customers, customer relationships, employees, employee relationships, infrastructure, intellectual property, information technology, partnerships, processes, production equipment, vendors, vendor relationships and combinations thereof.

116. (new) The program storage device of claim 115 wherein a plurality of risks are selected from the group consisting of event risks, contingent liabilities, volatility and combinations thereof.

117. (new) The program storage device of claim 114 wherein the method further comprises:

identifying one or more risk management activities based upon one or more quantified risks;

calculating an amount of capital available for said risk management activities using at least a portion of said data; and

determining a combination of risk management activities that optimizes aspects of enterprise financial performance selected from the group consisting of market value, risk and combinations thereof within a constraint of the available capital.

118. (new) The program storage device of claim 114 wherein aggregating and preparing data from a plurality of enterprise related systems for use in processing, further comprises using metadata mapping to integrate and store data from said systems in accordance with a common schema.

119. (new) The program storage device of claim 114 wherein a category of value is selected from the group consisting of current operation, real option, market sentiment

and combinations thereof and a component of value is selected from the group consisting of revenue, expense, capital and combinations thereof.

120. (new) The program storage device of claim 114, wherein quantifying a plurality of risks further comprises quantifying risks under scenarios selected from the group consisting of normal, extreme and combinations thereof.

121. (new) The program storage device of claim 115 wherein a risk management activity is selected from the group consisting of establishing one or more risk management control systems, completing one or more risk transfer transactions and combinations thereof.